

FIG. 1

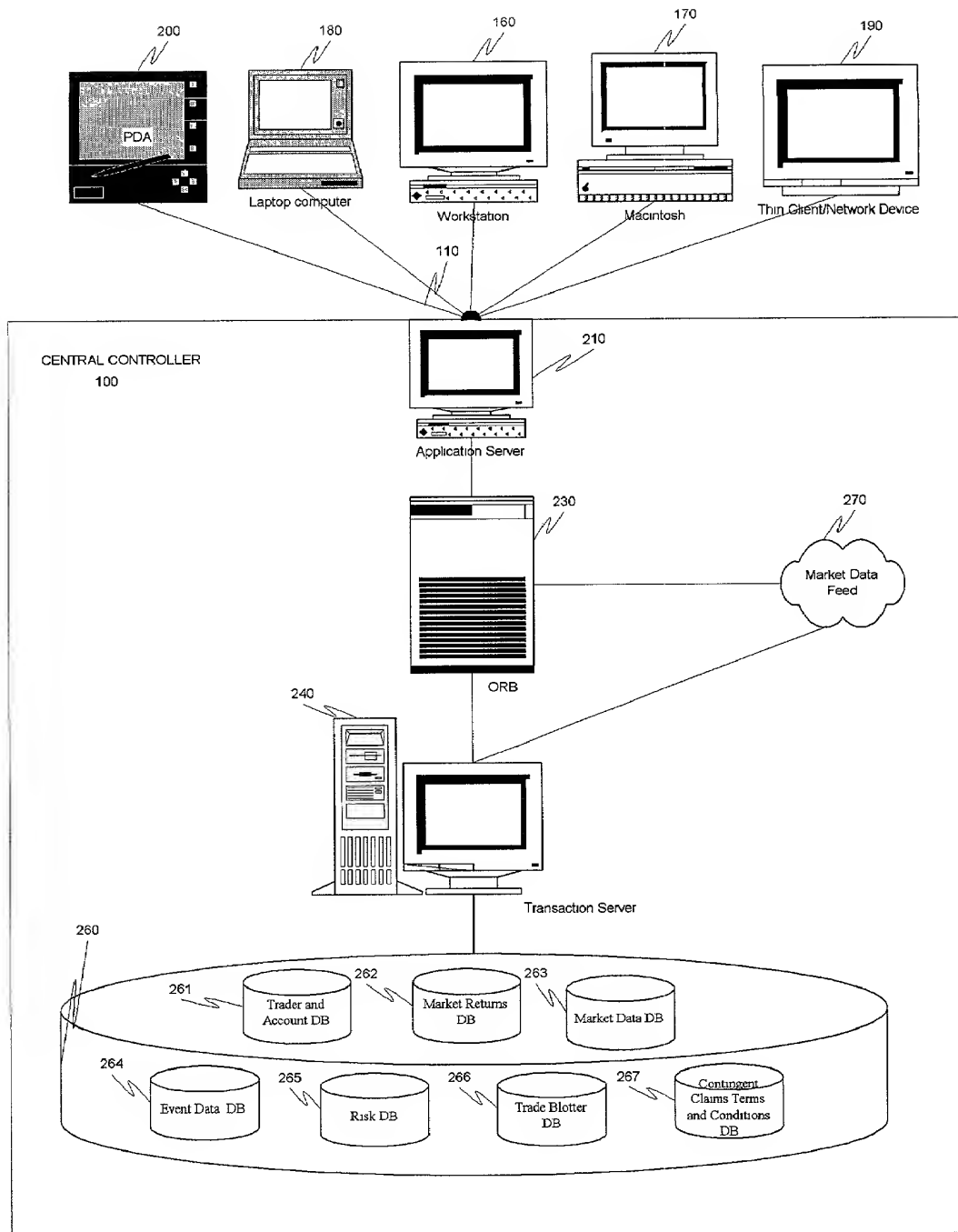


FIG. 2

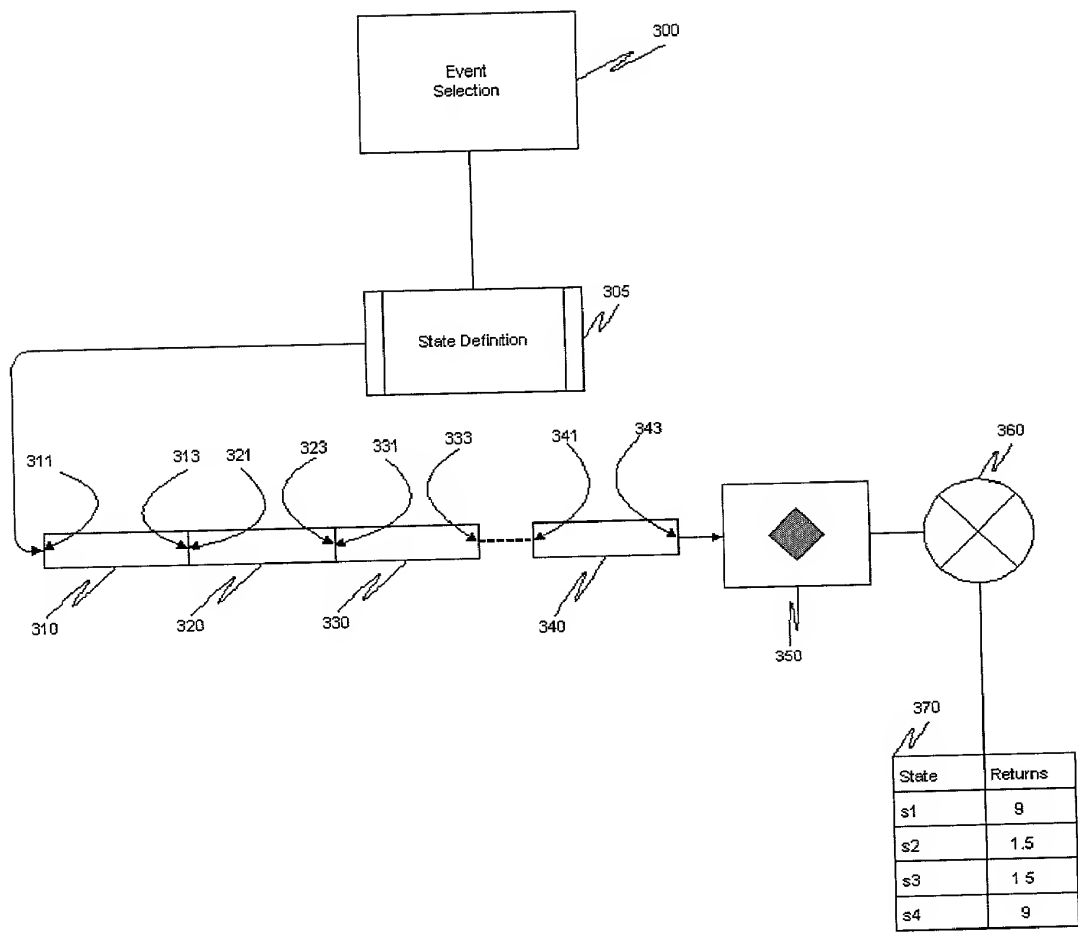


FIG. 3

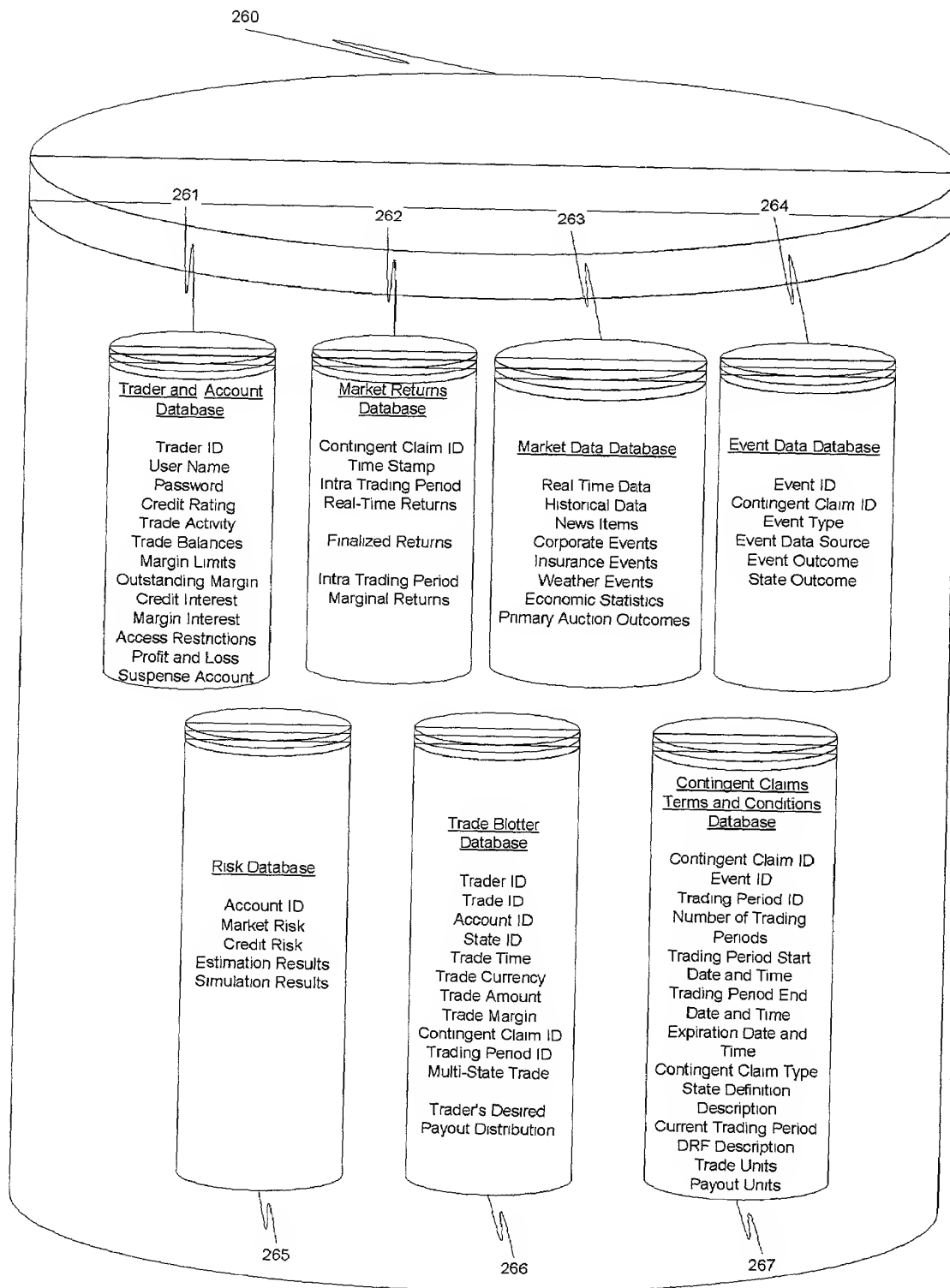


FIG. 4

DISPLAY 500

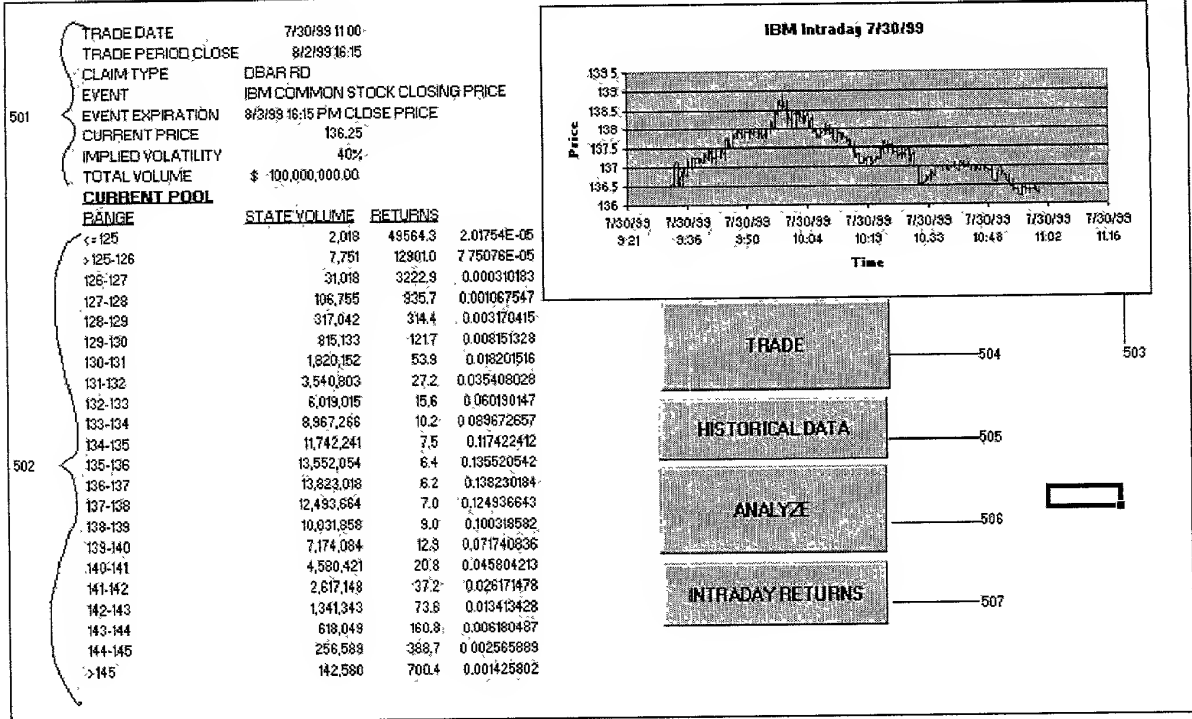


FIG. 6

MARKET DATA FEED 270

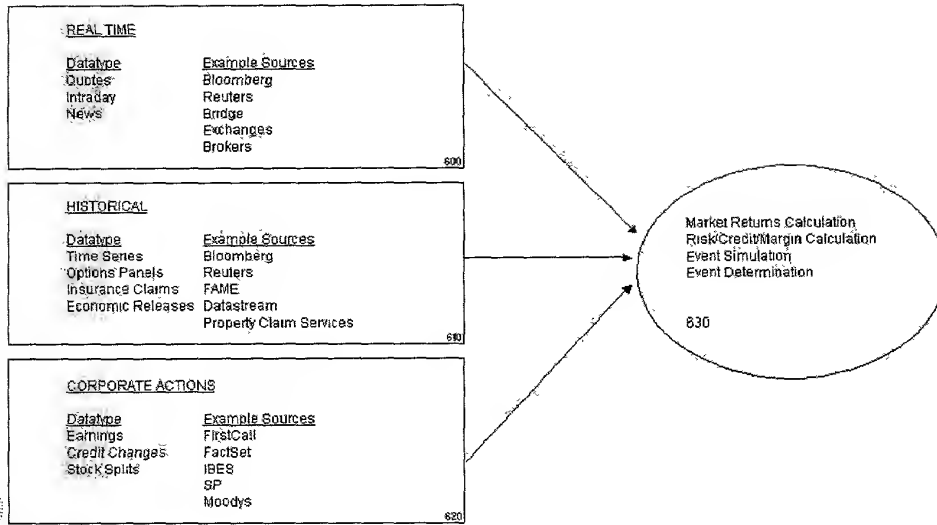


FIG. 7

Implied Liquidity Effects: Percentage Changes to Implied State Probabilities Between
 "Offer" and "Bid" as a Function of Proposed Investment Amount (as a percentage, p , of
 existing investment)

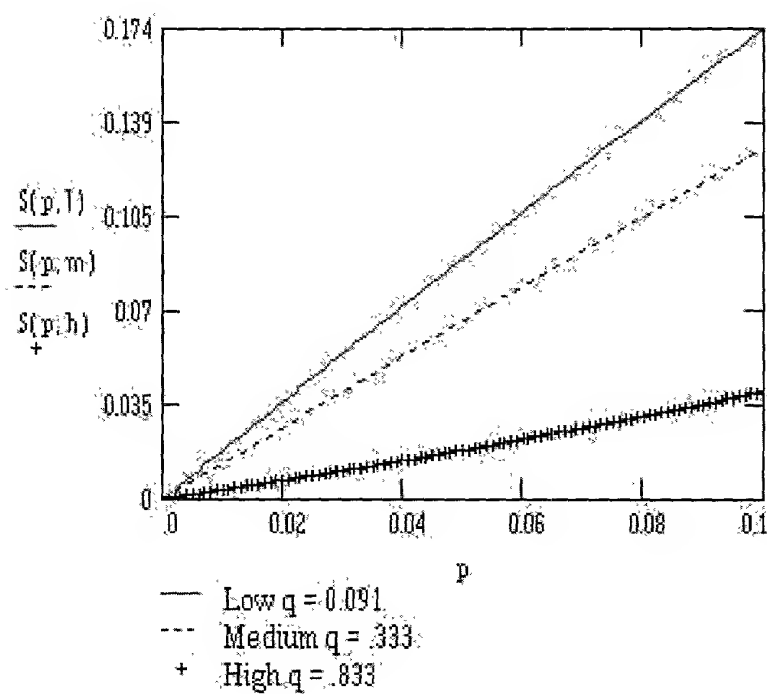


FIG. 8

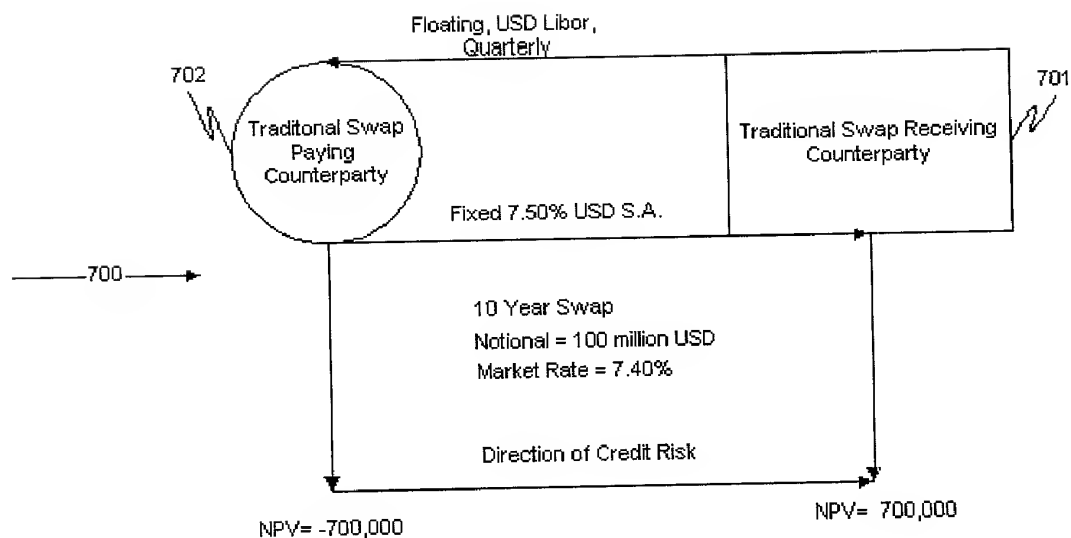


FIG. 9a: Traditional Swap Counterparties

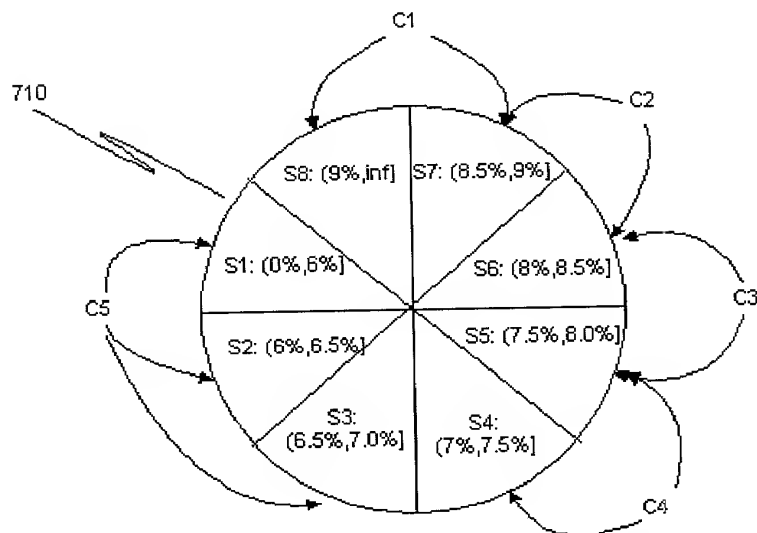


FIG. 9b: Illustrative Trader Relationships In DBAR Contingent Claims

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		States for Swap Rate							
Counterparty and Credit Rating		S1	S2	S3	S4	S5	S6	S7	S8
	C1, AAA							50,000	100,000
	C2, AA						40,000	25,000	
	C3, AA					100,000	60,000		
	C4, A+				150,000	100,000			
	C5, A	100,000	50,000	80,000					

FIG 9c: Margin Loans by Trader, Credit Rating, and Defined State

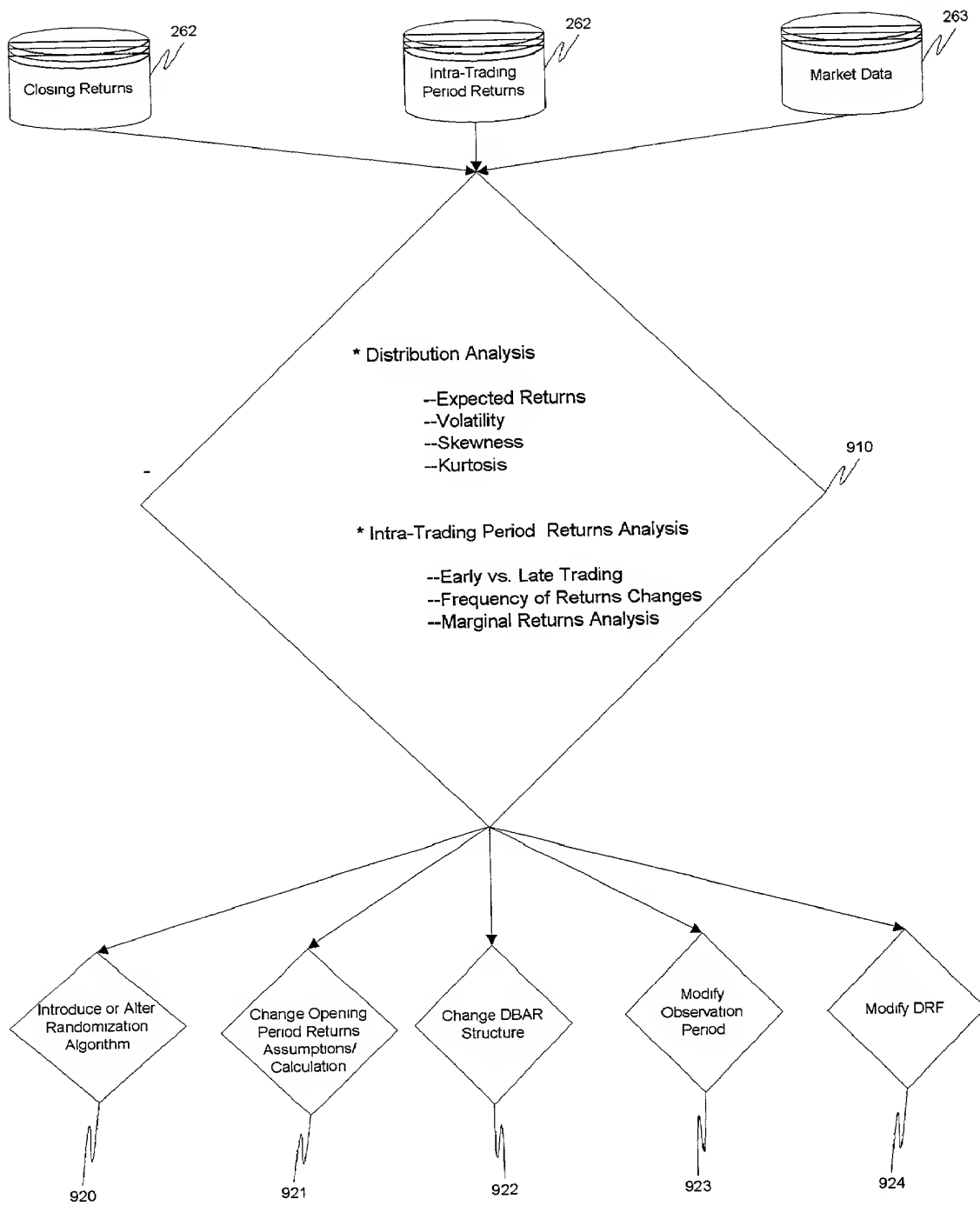


FIG. 10

FIG. 11

```

struct {
    int      numStates;           // Number of states in contract
    double   totalInvested;       // Total amount invested in contract
    double   poITrade[];         // Profile trade investments per state
    double   poReturn[];         // Profile pay out per state
    double   stateTotal[];       // Aggregated investment per state
    int      numOrders;          // Number of submitted orders in contract
    ORDER    order[];           // List of composite orders
} contract;

```

1101

```

struct {
    double   orderAmount;        // Amount of trade to transact. Represents
                                // amount to be invested for buys and amount
                                // of payout to be sold for sells
    double   invest[contract.numStates]; // Calculated amount to invest per
                                // state
    int      buySell;            // Indicates whether order is a buy (=1) or a
                                // "sell" (= -1)
    int      marketLimit;       // Indicates whether order is market order (=1)
                                // or a limit order (=0)
    double   limitPrice;         // Price below (above) which buy (sale) should
                                // be executed
    double   price;              // the current equilibrium price for the digital
                                // option, spread or strip specified in the order
    int      ratio[contract.numStates]; // the relative payout ratio requested should
                                // each constituent state of order occur
    double   filled;             // the amount of the order filled in equilibrium
    double   fee;                // the total transaction fee charged for the
                                // order
    double   payout;             // the payout of the order net of fees after the
                                // event has occurred and the realized state is
                                // known
    double   profilePayout[contract.numStates]; // for a profile type order, the amount of
                                // desired payout should state i occur
} order;

```

1102

FIG. 12

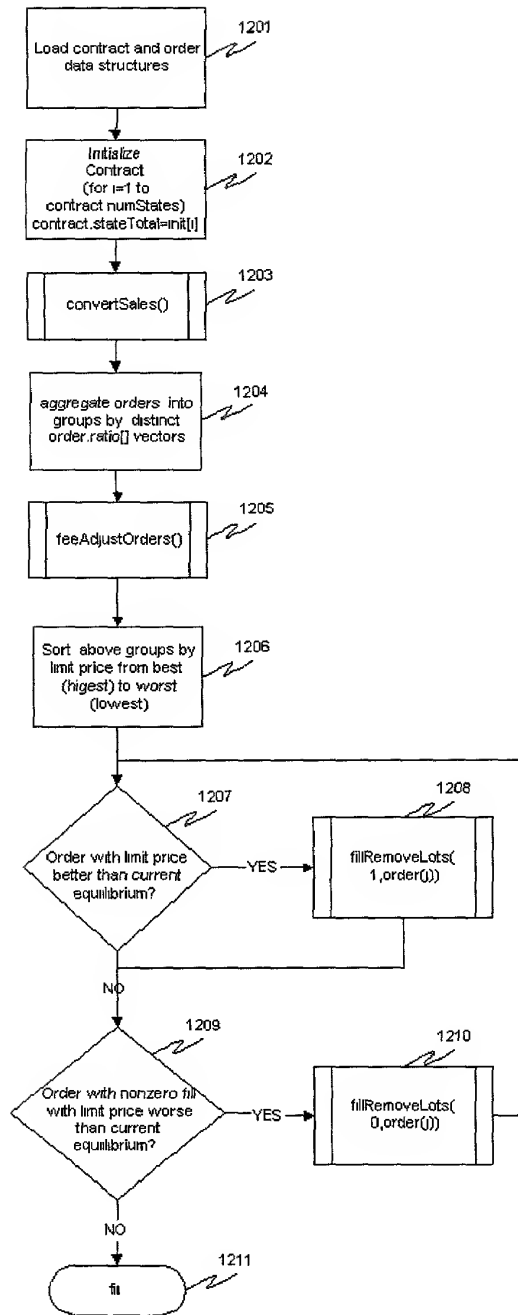


FIG. 13

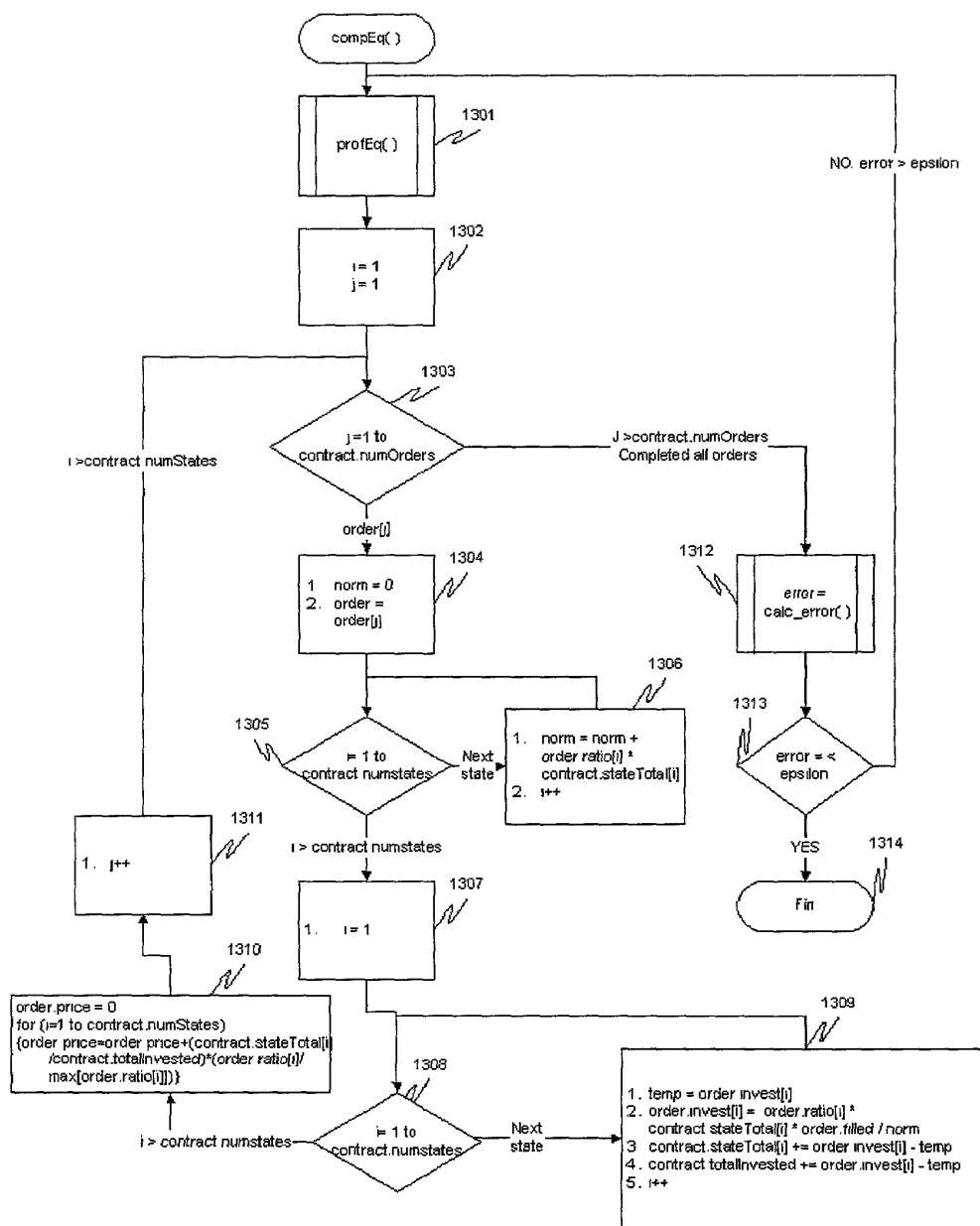


FIG. 14

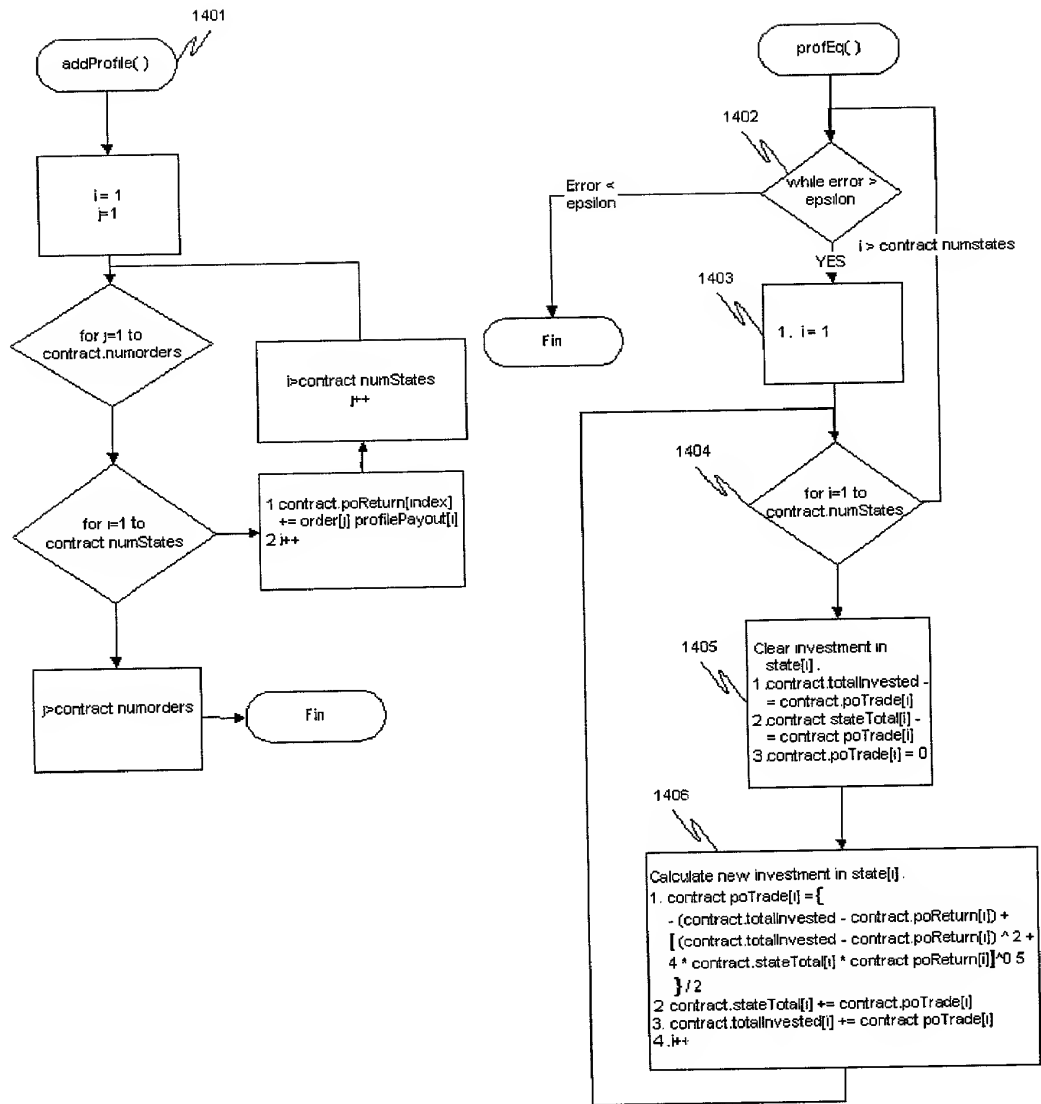


FIG. 15

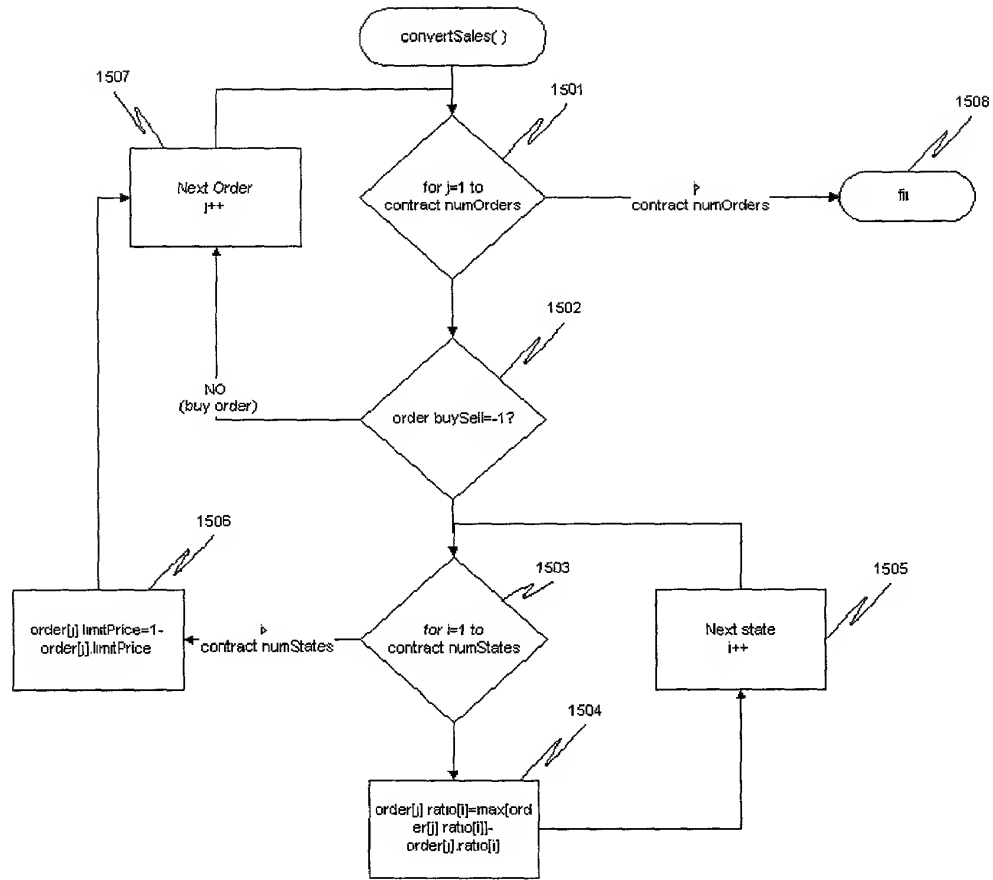


FIG. 16

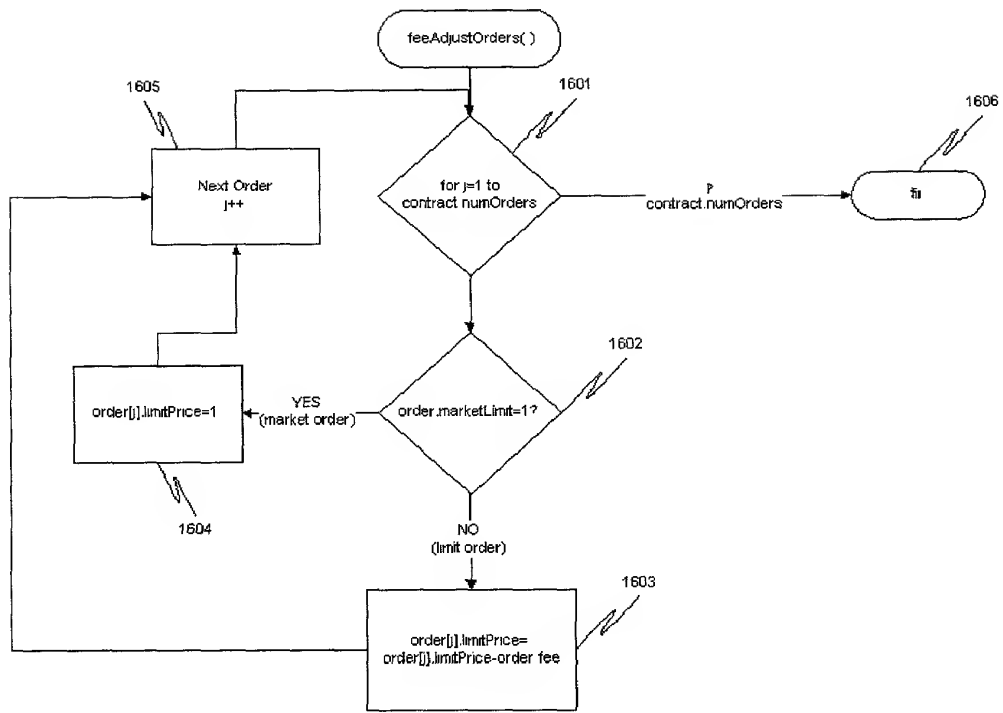


FIG. 17

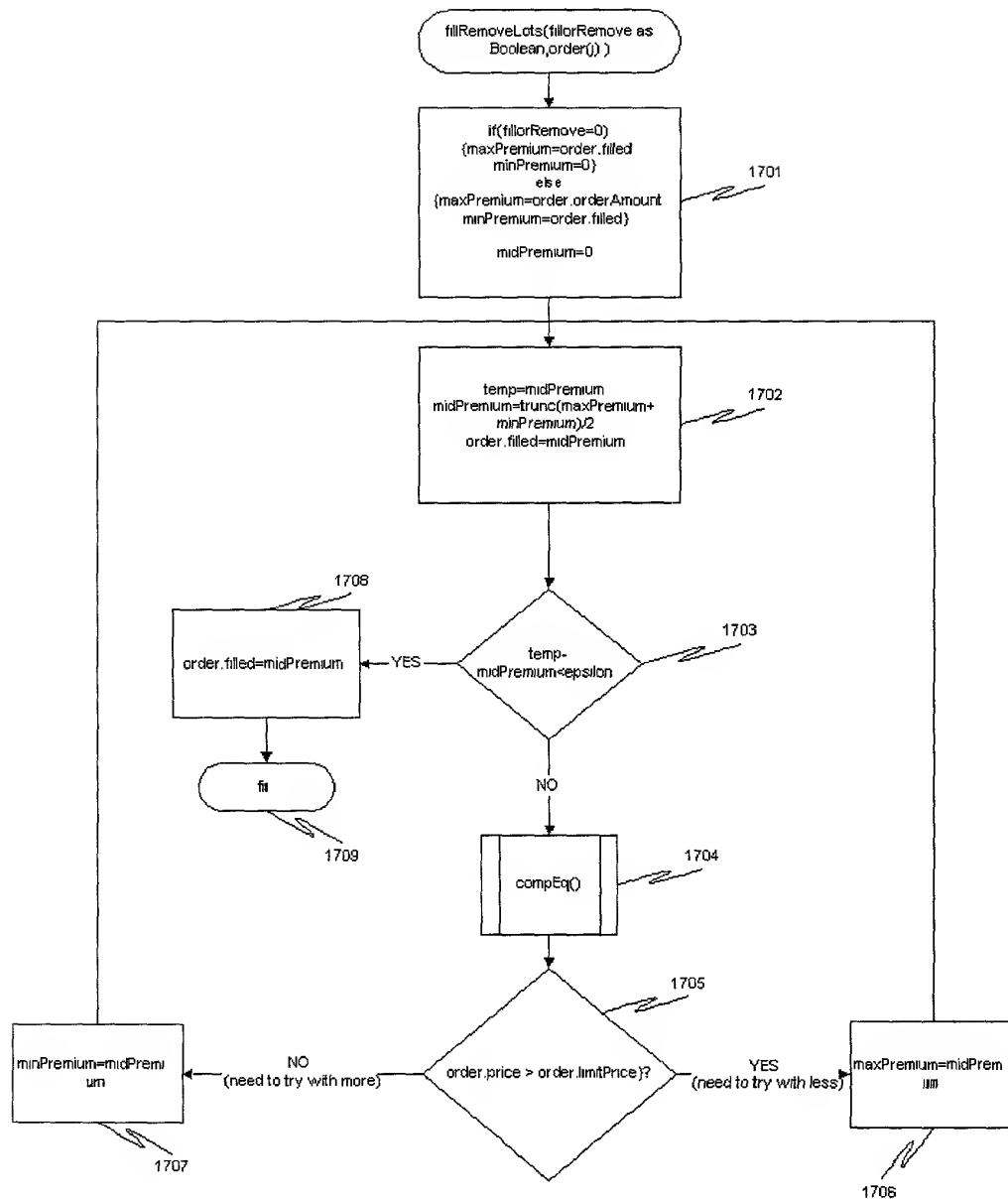


FIG. 18

